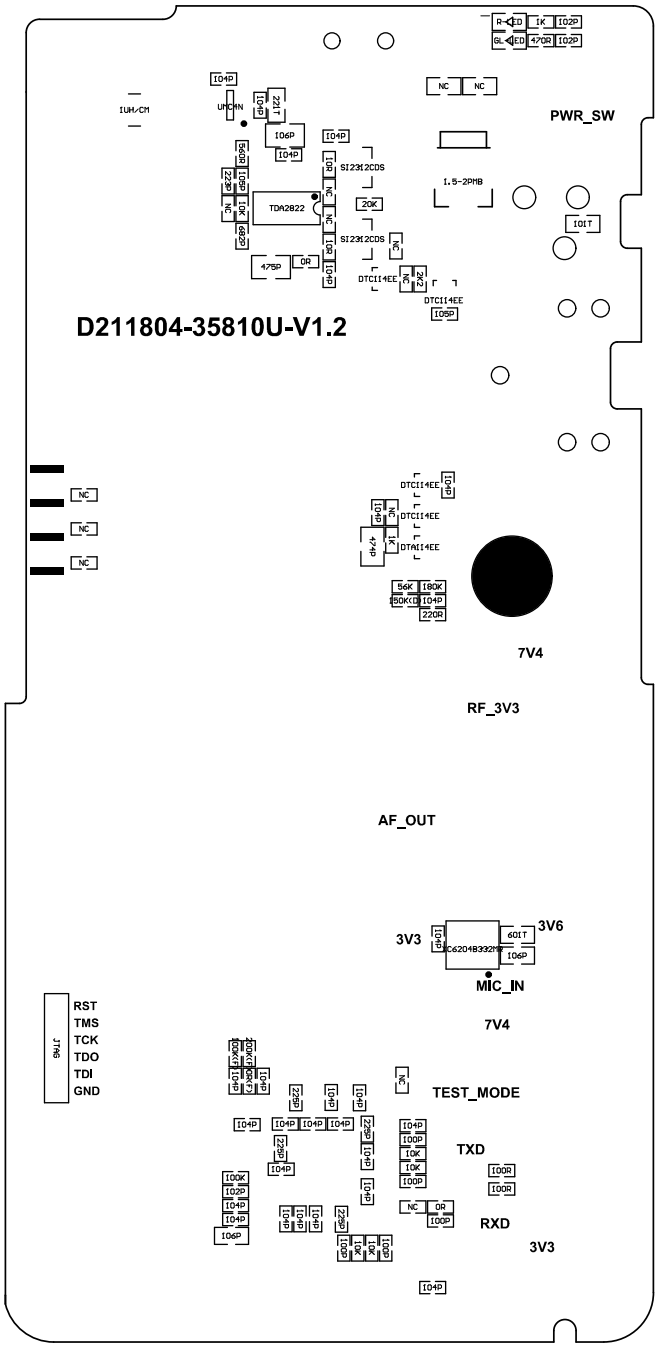
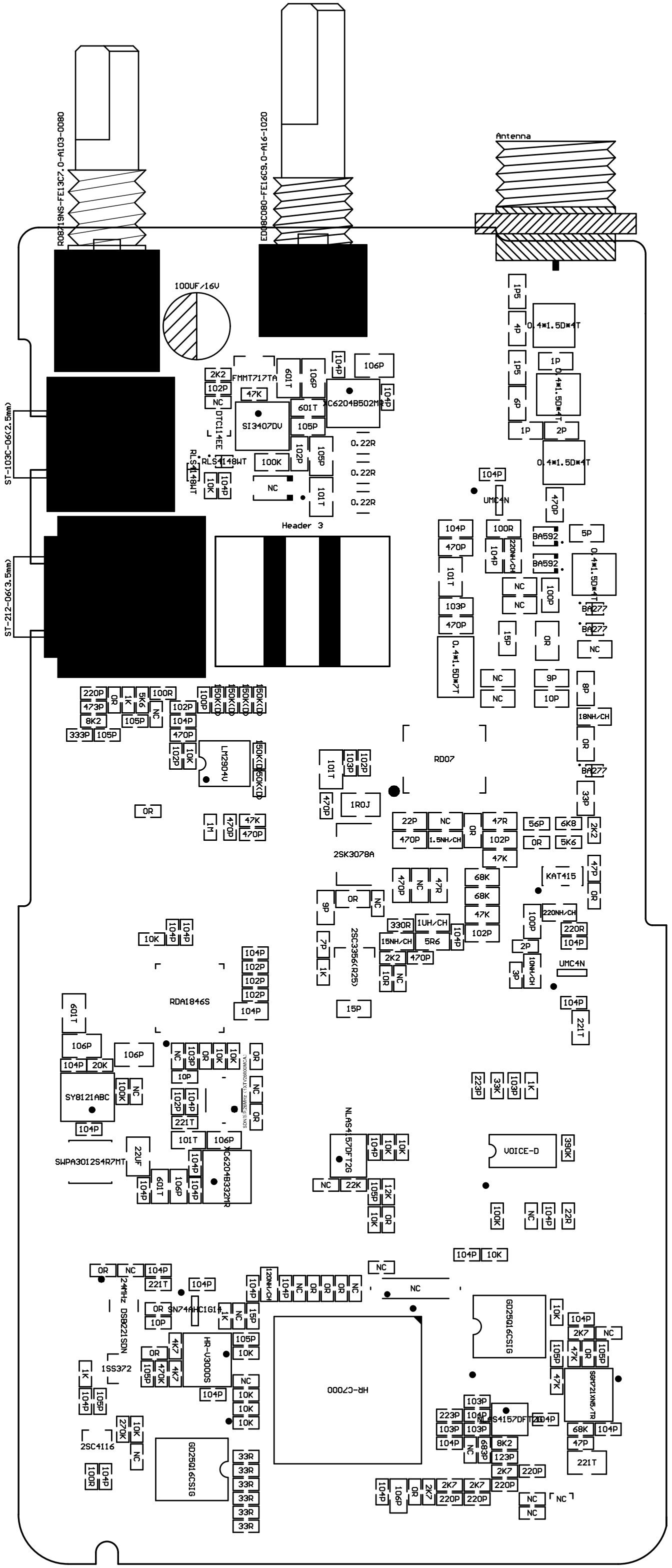
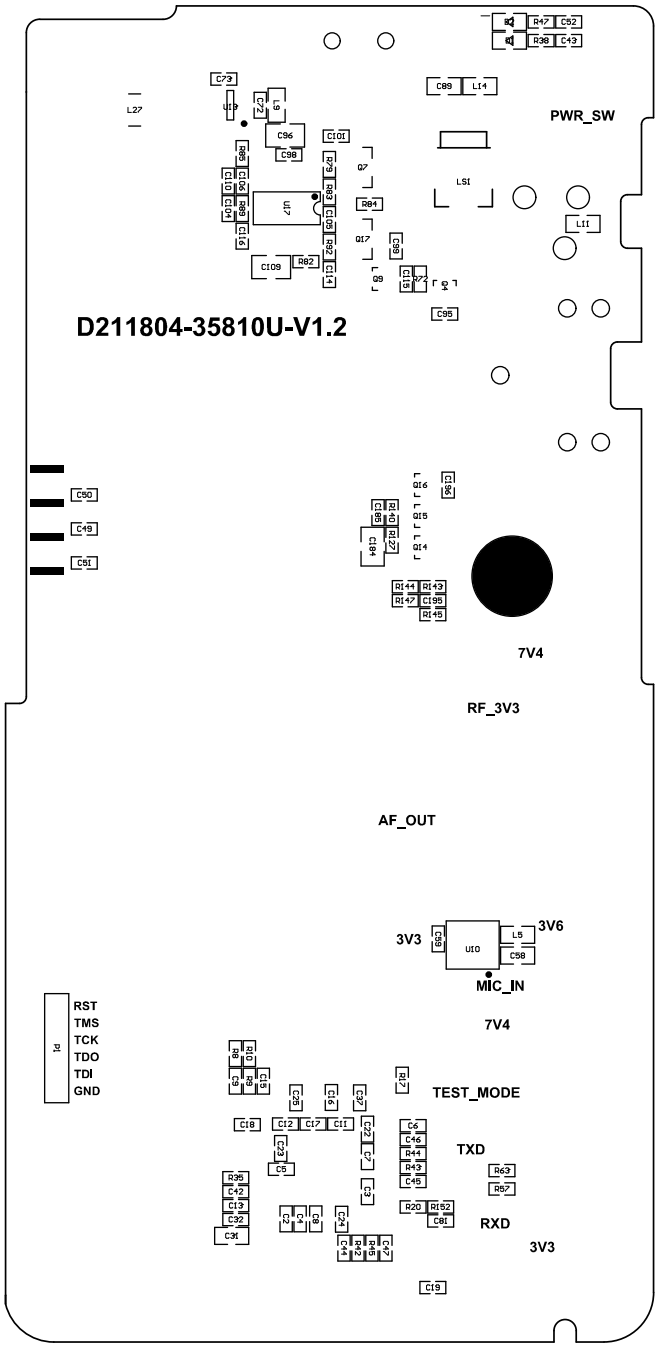
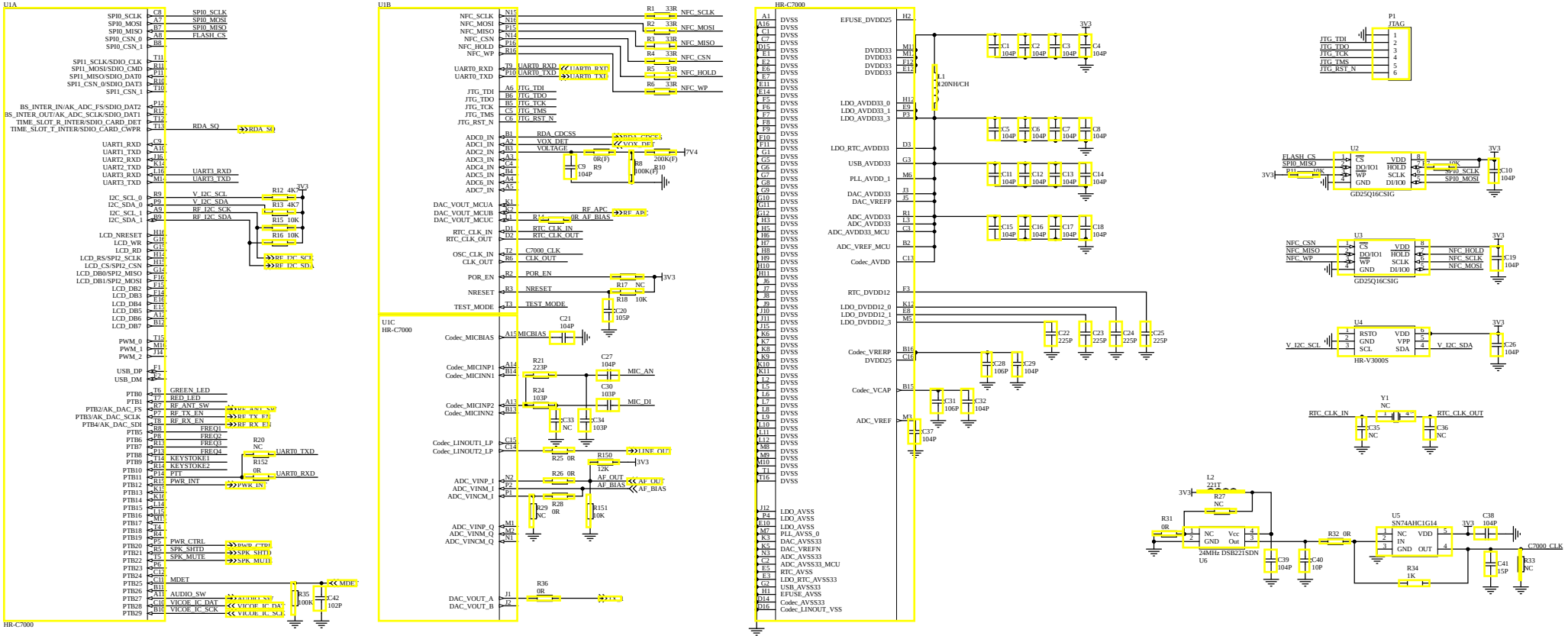
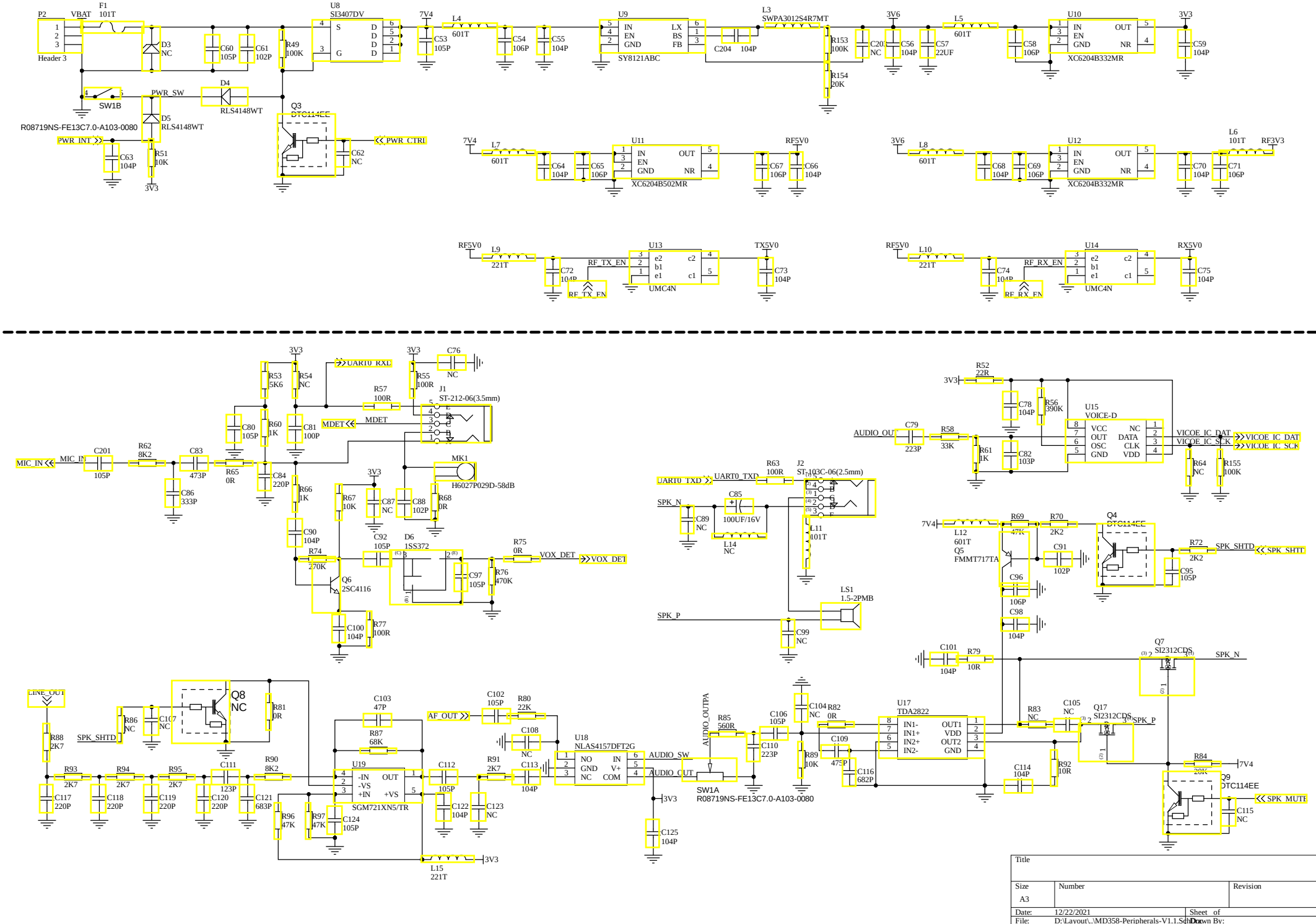

D211804-35810U-V1.2
PWR_SW
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SI2312CDS
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DTCI14EE
DTCI14EE
DTAI14EE
1.5-2PMB
NC
NC
NC
NC
7V4
RF_3V3
AF_OUT
3V3
3V6
MIC_IN
7V4
TEST_MODE
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RXD
3V3
JTAG
RST
TMS
TCK
TDO
TDI
GND

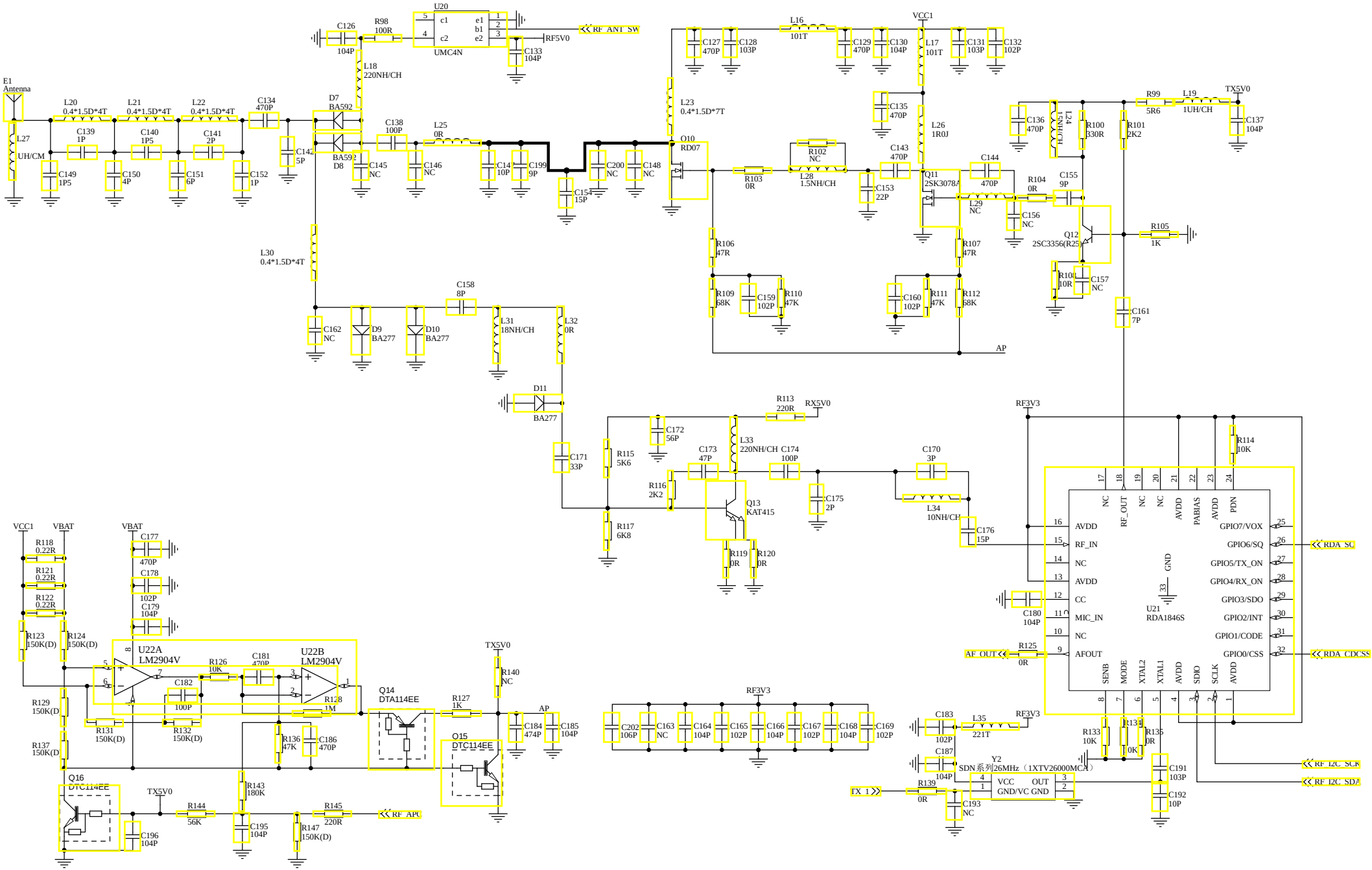

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ED08C080-FE16C9.0-A16-1020
Antenna
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ST-103C-06(2.5mm)
ST-212-06(3.5mm)
FMMT717TA
SI3407DV
XC6204B502MR
DTC114EE
RLS4148WT
0.22R
Header 3
UMC4N
BA592
BA277
0.4*1.5D*4T
0.4*1.5D*7T
LM2904V
RD07
1R0J
2SK3078A
KAT415
2SC3356(R25)
RDA1846S
SY8121ABC
SWPA3012S4R7MT
XC6204B332MR
NLAS4157DFT2G
VOICE-D
24MHz DSB221SDN
SN74AHC1G14
HR-V3000S
1SS372
2SC4116
GD25Q16CSIG
HR-C7000
SGM721XN5/TR


D211804-35810U-V1.2
PWR_SW
7V4
RF_3V3
AF_OUT
3V3
3V6
MIC_IN
7V4
RST
TMS
TCK
TDO
TDI
GND
TEST_MODE
TXD
RXD
3V3

ANT
CHSI
P1
C85
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U11
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R1000


U1A
HR-C7000
SPI0_SCLK
SPI0_MOSI
SPI0_MISO
FLASH_CS
SPI1_SCLK/SDIO_CLK
SPI1_MOSI/SDIO_CMD
SPI1_MISO/SDIO_DAT0
SPI1_CSN_0/SDIO_DAT3
SPI1_CSN_1
BS_INTER_IN/AK_ADC_FS/SDIO_DAT2
BS_INTER_OUT/AK_ADC_SCLK/SDIO_DAT1
TIME_SLOT_R_INTER/SDIO_CARD_DET
TIME_SLOT_T_INTER/SDIO_CARD_CWPR
RDA_SQ
UART1_RXD
UART1_TXD
UART2_RXD
UART2_TXD
UART3_RXD
UART3_TXD
I2C_SCL_0
I2C_SDA_0
I2C_SCL_1
I2C_SDA_1
V_I2C_SCL
V_I2C_SDA
RF_I2C_SCK
RF_I2C_SDA
LCD_NRESET
LCD_WR
LCD_RD
LCD_RS/SPI2_SCLK
LCD_CS/SPI2_CSN
LCD_DB0/SPI2_MISO
LCD_DB1/SPI2_MOSI
LCD_DB2
LCD_DB3
LCD_DB4
LCD_DB5
LCD_DB6
LCD_DB7
PWM_0
PWM_1
PWM_2
USB_DP
USB_DM
GREEN_LED
RED_LED
RF_ANT_SW
RF_TX_EN
RF_RX_EN
FREQ1
FREQ2
FREQ3
FREQ4
KEYSTOKE1
KEYSTOKE2
PTT
PWR_INT
UART0_TXD
UART0_RXD
PWR_CTRL
SPK_SHTD
SPK_MUTE
MDET
AUDIO_SW
VICOE_IC_DAT
VICOE_IC_SCK
U1B
NFC_SCLK
NFC_MOSI
NFC_MISO
NFC_CSN
NFC_HOLD
NFC_WP
UART0_RXD
UART0_TXD
JTG_TDI
JTG_TDO
JTG_TCK
JTG_TMS
JTG_RST_N
ADC0_IN
ADC1_IN
ADC2_IN
ADC3_IN
ADC4_IN
ADC5_IN
ADC6_IN
ADC7_IN
RDA_CDCSS
VOX_DET
VOLTAGE
DAC_VOUT_MCUA
DAC_VOUT_MCUB
DAC_VOUT_MCUC
RF_APC
RF_AF_BIAS
RTC_CLK_IN
RTC_CLK_OUT
OSC_CLK_IN
CLK_OUT
C7000_CLK
POR_EN
NRESET
TEST_MODE
U1C
HR-C7000
MICBIAS
Codec_MICINP1
Codec_MICINN1
Codec_MICINP2
Codec_MICINN2
MIC_AN
MIC_DI
Codec_LINOUT1_LP
Codec_LINOUT2_LP
LINE_OUT
ADC_VINP_I
ADC_VINM_I
ADC_VINP_Q
ADC_VINM_Q
AF_OUT
AF_BIAS
DAC_VOUT_A
DAC_VOUT_B
U1D
HR-C7000
DVSS
EFUSE_DVDD25
DVDD33
L1
M20NH/CH
LDO_AVDD33_0
LDO_AVDD33_1
LDO_AVDD33_3
LDO_RTC_AVDD33
USB_AVDD33
PLL_AVDD_1
DAC_AVDD33
DAC_VREFP
ADC_AVDD33
ADC_AVDD33_MCU
ADC_VREF_MCU
Codec_AVDD
RTC_DVDD12
LDO_DVDD12_0
LDO_DVDD12_1
LDO_DVDD12_3
Codec_VRERP
DVDD25
Codec_VCAP
ADC_VREF
LDO_AVSS
PLL_AVSS_0
DAC_AVSS33
DAC_VREFN
ADC_AVSS33
ADC_AVSS33_MCU
RTC_AVSS
LDO_RTC_AVSS33
USB_AVSS33
EFUSE_AVSS
Codec_AVSS33
Codec_LINOUT_VSS
3V3
P1
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SPI0_MISO
SPI0_SCLK
SPI0_MOSI
GD25Q16CSIG
NFC_CSN
NFC_MISO
NFC_WP
NFC_HOLD
NFC_SCLK
NFC_MOSI
HR-V3000S
V_I2C_SCL
V_I2C_SDA
Y1
RTC_CLK_IN
RTC_CLK_OUT
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221T
24MHz DSB221SDN
U6
SN74AHC1G14
C7000_CLK
CHS1
ED08C080-FE16C9.0-A16-1020
FREQ3
FREQ1
FREQ2
FREQ4
PTT
KEYSTOKE2
KEYSTOKE1
U7
NLAS4157DFT2G
AUDIO_SW
MIC_IN
GREEN_LED
RED_LED
D1
GL-LED
D2
R-LED
Keyboard
Title
Size
A2
Number
Revision
Date:
12/22/2021
Sheet of
File:
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Drawn By:


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Header 3
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105P
C61
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7V4
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106P
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U9
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C204
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R154
20K
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3V6
C56
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C57
22UF
C58
106P
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XC6204B332MR
3V3
C59
104P
SW1B
PWR_SW
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RLS4148WT
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PWR_CTRL
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601T
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104P
C65
106P
C67
106P
C66
104P
U12
XC6204B332MR
L8
601T
C68
104P
C69
106P
C70
104P
L6
101T
RF3V3
C71
106P
U13
UMC4N
L9
221T
RF_TX_EN
C72
104P
C73
104P
TX5V0
U14
UMC4N
L10
221T
RF_RX_EN
C74
104P
C75
104P
RX5V0
R53
5K6
R54
NC
UART0_RXD
R57
100R
R55
100R
C76
NC
J1
ST-212-06(3.5mm)
MDET
C80
105P
R60
1K
C81
100P
MIC_IN
C201
105P
R62
8K2
C83
473P
R65
0R
C84
220P
C86
333P
MK1
H6027P029D-58dB
R66
1K
R67
10K
C87
NC
C88
102P
R68
0R
C90
104P
R74
270K
C92
105P
D6
1SS372
R75
0R
VOX_DET
C97
105P
R76
470K
Q6
2SC4116
C100
104P
R77
100R
UART0_TXD
R63
100R
J2
ST-103C-06(2.5mm)
SPK_N
C85
100UF/16V
C89
NC
L14
NC
L11
101T
LS1
1.5-2PMB
SPK_P
C99
NC
R52
22R
C78
104P
R56
390K
U15
VOICE-D
AUDIO_OUT
C79
223P
R58
33K
R61
1K
C82
103P
VICOE_IC_DAT
VICOE_IC_SCK
R64
NC
R155
100K
L12
601T
Q5
FMMT717TA
R69
47K
R70
2K2
C91
102P
Q4
DTC114EE
R72
2K2
SPK_SHTD
C95
105P
C96
106P
C98
104P
C101
104P
R79
10R
Q7
SI2312CDS
LINE_OUT
Q8
NC
R88
2K7
SPK_SHTD
R86
NC
C107
NC
R81
0R
R93
2K7
R94
2K7
R95
2K7
C111
123P
R90
8K2
C117
220P
C118
220P
C119
220P
C120
220P
C121
683P
R96
47K
R97
47K
C124
105P
C103
47P
R87
68K
U19
SGM721XN5/TR
AF_OUT
C102
105P
R80
22K
C108
NC
C113
104P
C112
105P
R91
2K7
C122
104P
C123
NC
U18
NLAS4157DFT2G
AUDIO_SW
AUDIO_CUT
C125
104P
L15
221T
AUDIO_OUTPA
R85
560R
SW1A
R08719NS-FE13C7.0-A103-0080
C104
NC
R82
0R
C106
105P
C110
223P
C109
475P
R89
10K
C116
682P
U17
TDA2822
C105
NC
Q17
SI2312CDS
R83
NC
R92
10R
C114
104P
R84
20K
Q9
DTC114EE
SPK_MUTE
C115
NC
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A3
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Revision
Date:
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